

829-8

BULLETIN No. 20



# ELECTRIC CEILING FANS

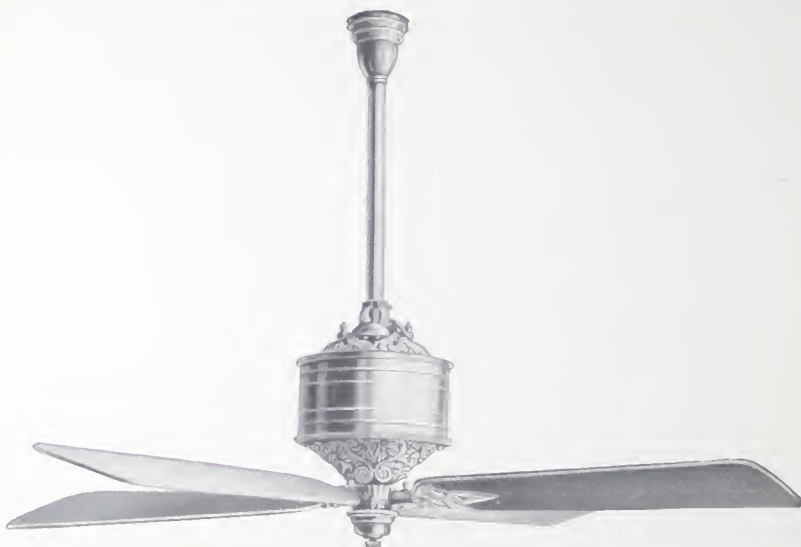
DIRECT CURRENT

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W. F. IRISH ELECTRIC CO.

60 Cortlandt Street, New York City

# Diehl Manufacturing Company



No. 44.

No. 44 Fan is of the ironclad type and presents a neat, compact and symmetrical appearance.

The armature core is toothed and the winding put on by machine. The commutator sections are of hard drawn copper insulated with mica, and it and the core are mounted on a hollow steel shaft of tubing, cold drawn to gauge.

The oiling system is adequate, with no possibility of throwing or dripping oil, and the oil reservoirs need filling but once each season.

The brush holders are of the cartridge type, positive in action, and so designed that the brushes are readily accessible at any time.

The Fan is furnished complete with 4 blades carried by malleable iron blade holders finished in polished Nickel. The covers are ornamental castings, and the body is covered by a band finely finished in japan, beaded, and with gold stripes. The stem is japanned without casting. It runs at a speed of 210 r. p. m.

CODE WORD	Finish	Voltage	Price
Caper.....	Japan	110	\$40.00
Caprice.....	"	170	44.00
Capstan.....	"	220	44.00
Captive.....	"	250	44.00
Capias.....	"	500	60.00

Price includes switch for 110 and 220-volt fans. Unless otherwise specified japanned iron pipe is sent for 12-foot ceiling. Extra length of pipe, per foot or fraction thereof, 15c. net.

Gross weight packed singly, 105 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company

20-3



No. 45.

No. 45 Fan is of the same general construction as the No. 44 Fan. The working parts are easily accessible, and the armature may be removed without detaching the body from the ceiling.

The switch tube is provided with cable with extra wires, and switch holder is drilled so that the No. 45 Fan may readily be changed to an Electrolier Fan by adding light brackets and making connections. No. 45 Fan is artistic in design and presents a handsome and attractive appearance. It operates at 210 revolutions and is economical in current consumption. All parts are made to gauge and are interchangeable. It is furnished with casing on pipe and four special Nyssa wood blades.

CODE WORD		Voltage	Price
Oxidized Copper	Oxidized Brass		
Callous .....	Candy .....	110	\$48.00
Calm .....	Canicula .....	170	52.00
Cambric .....	Caning .....	220	52.00
Camel .....	Canker .....	250	52.00
Camp .....	Cannibal .....	500	68.00

Extra charge made for other finishes.

Price includes switch for 110 and 220-volt fans.

Price for 3-speed regulator add \$2.00 net. Code word "Image."

Gross weight packed singly, 105 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company



No. 46.

No. 46 Electrolier Fan has the same features in construction as Nos. 44 and 45, and the light brackets are of sufficient length to give the lights proper angle and spread.

The fan is furnished with four Nyssa wood blades, light brackets, key sockets, and shade holders for 4 lights as shown. The fan may be furnished with 2 or 3 lights on special order. Spread of lights 18 inches. Speed 210 revolutions.

CODE WORD		Voltage	Price
Oxidized Copper	Oxidized Brass		
Cabinet .....	Canoe .....	110	\$56.00
Cachou .....	Canonist .....	170	60.00
Cackle .....	Canonry .....	220	60.00
Cactus .....	Canopy .....	250	60.00
Caddy .....	Canorous .....	500	76.00

Price includes switch for 110 and 220-volt fans.

Extra charge made for other finishes.

Price for 3-speed regulator add \$2.00 net. Code word "Incase."

Gross weight packed singly 107 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company

20-5



No. 13.

The Diehl Standard Ceiling Fan was the first Electric ceiling fan to be placed on the market, and since its introduction in 1889 has gained a well merited reputation for efficiency and durability.

The armature and field magnet cores are made of laminations of thin sheet iron of the best magnetic quality. The commutator is located below the armature to prevent accumulation of dirt, and is flat and so constructed that it is practically indestructible.

Three-speed regulator may be furnished which may be attached by removing the basket.

CODE WORD			Voltage	Price
Oxidized Copper	Nickel	Polished Brass		
Adage .....	Affable. ....	Agate .....	110	\$51.00
Adamant .....	Affection .....	Aghast .....	170	55.00
Adapt .....	Affiant.....	Agile .....	220	55.00
Adhesion .....	Affray.....	Agnate.....	250	55.00
Adieu.....	Affusion .....	Agonize.....	500	71.00

The motor can be furnished with trimmings for No. 12 or No. 14, Venetian design, when desired.

Price includes switch for 110 and 220-volt fans.

For 3-speed regulator on 110 or 220-volt fans add \$2.00 net. Code word see page 20-10.

Gross weight packed singly 100 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.



# Diehl Manufacturing Company



No. 16.

No. 16 Electrolier Fan is similar in design of the trimmings to No. 13 with light brackets added.

A special feature of the Electrolier Fan is the detachable basket, which may be unscrewed from the fan without disturbing any wires. Connection with the lights is made by means of a special screw coupling, one part of which is contained in the basket which it serves to hold in place.

It is furnished with key sockets, shade holders and shades for 5 lights complete as shown, without lamps. Baskets furnished for 2, 3 or 4 lights on special order

Spread of lights 20 inches.

CODE WORD			Voltage	Price
Oxidized Copper	Polished Brass	Nickel		
Ancestry .....	Apiary.....	Arbor .....	110	\$62.00
Andiron.....	Apparel.....	Arcade.....	170	66.00
Anecdote .....	Applause .....	Argosy.....	220	66.00
Anthem.....	Apricot.....	Aroma.....	350	66.00
Anvil .....	Apron.....	Arsenal.....	500	82.00

Edison Key Sockets supplied unless otherwise specified.

Switch to control fan add \$1.50 net. Code word "Iceberg."

Switch to control lights add \$1.50 net. Code word "Idyl."

Gross weight packed singly 132 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company

20-7



No. 17.

No. 17 Fan is the handsomest fan ever offered to the public, and is particularly suitable for surroundings of rich and artistic character. Its trimmings are of spun brass, ornamented with open cast brass work of elegant design, and in cold weather with the blades removed it may be used as a lighting fixture.

It is furnished with Nyssa wood blades, special shades, shade holders and sockets complete for 5 lights as shown, without lamps.

Baskets are furnished for 2, 3 or 4 lights on special order.

Spread of lights 20 inches.

CODE WORD			Voltage	Price
Oxidized Copper	Polished Brass	Nickel		
Aspen.....	Atone.....	Auger.....	110	\$80.00
Assay.....	Athletic.....	Auburn.....	170	84.00
Astral.....	Attic.....	Aurora.....	220	84.00
Astrology.....	Attorney.....	Author.....	250	84.00
Asylum.....	Atrophy.....	Autograph.....	500	100.00

Edison Key Socket furnished unless otherwise specified.

Switch to control fan add \$1.50 net. Code word "Imbrue."

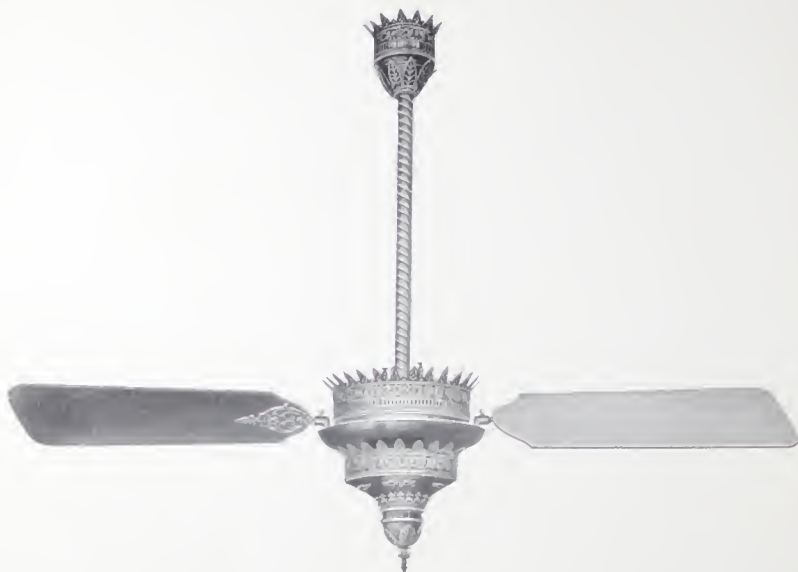
Switch to control lights add \$1.50 net. Code word "Immerge."

Gross weight packed singly 132 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company



No. 18

No. 18 Fan is similar to No. 17, but without Electrolier attachment. It is fitted with trimmings of the same design in cast brass work, and is suitable for use in places of the same character. It is furnished with switch when operated singly on 110 and 220-volt circuits, having a special handle to correspond with the trimmings.

CODE WORD			Voltage	Price
Oxidized Copper	Polished Brass	Nickel		
Babble .....	Beach .....	Bias .....	110	\$60.00
Baboon .....	Beadle .....	Bibber .....	170	64.00
Badger .....	Beckon .....	Bilge .....	220	64.00
Balcony .....	Benedict .....	Bijou .....	250	64.00
Ballad .....	Beryl .....	Biology .....	500	80.00

Gross weight packed singly 100 lbs.

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.



# Diehl Manufacturing Company

20-9



COLUMN FAN.

Column Fans are extensively used where it is impracticable to hang Ceiling Fans. The base, which should be rigidly screwed to the floor, is a solid casting, finished to match upper half of standard, basket and corona. The lower half of standard is marbled. The upper part is heavy brass tubing, and iron pipe extends through the centre of both, insuring a rigid and substantial outfit.

It is furnished with trimmings of the same design as those used on No. 13 Fan.

Electrolier Column Fan is of the same general construction as the Column Fan. The trimmings are the same as on the No. 16 Electrolier, and the two circuits from lights and fan extend to the base.

Style	CODE WORD			Volt- age	Price
	Oxidized Copper	Polished Brass	Nickel		
Column.....	Blight.....	Botany.....	Brawny.....	110	\$71.00
".....	Blossom.....	Bovine.....	Brigade.....	220	75.00
Electrolier Column.....	Buffet.....	Bucket.....	Bullion.....	110	91.00
".....	Buggy.....	Buckram.....	Buoyant.....	220	95.00

For Counter Column deduct \$2.50 net. Code word "Counter."

Switch on Electrolier column to control Lights add \$1.50 net. Code word "Idolater."

Or, switch on column to control Fan add \$1.50 net. Code word "Ignoble."

Blades 7 feet 10 inches from floor.

Gross weight, Column and Electrolier Column, 226 lbs. Counter Column 165 lbs.

Three-speed regulator add \$4.00 net. Code word "Impel."

See General Specifications page 20-10.

IN ORDERING PLEASE USE CODE WORD.

# Diehl Manufacturing Company

## GENERAL SPECIFICATIONS.

**BLADES** on all Ceiling Fans Nos. 13 to 18 have full 60-inch sweep, and are regularly furnished with two blades; 4 blades with 54-inch sweep will be fitted when specified. Nos. 44, 45 and 46 have four blades, 56-inch sweep, and they can be fitted with 2 blades at the same price when so ordered.

**FINISHES** given in the price list are carried in stock and can be shipped promptly. Special finishes furnished on receipt of sample at an additional price.

**SERIES ARC** Ceiling fans are the same price as the 110-volt, and can be furnished only in the standard type.

**SWITCHES** are included in the prices of the Nos. 13, 18, 44, 45 and 46 for 110 and 220-volt circuits. The price for switch on the other types is given in the price list with code word. When switches are desired on fans other than above described, add the code word to the word given in the regular list. Switches are not furnished on fans connected to run in series.

**REGULATORS** giving a variation of three speeds can be installed on all 110 and 220-volt ceiling fans, except No. 44. These regulators are made of mica plate wound with high-grade resistance wire of ample capacity to carry their maximum current without undue heating. The plates carrying the wire are separate units, and are combined in proper numbers to give the required resistance for the style of fan and voltage.

When ordering Ceiling Fans with Regulators, add code word "Indolent" to the word given in the regular list.

**HEIGHT OF CEILING.**—Prices of all Ceiling Fans, except No. 44, include stems for ceilings up to and including 12 feet. Unless otherwise ordered fans will be shipped with proper length of stem for 12-foot ceiling with blades 7 feet 10 inches from the floor. For each additional foot of stem or fraction thereof, add 75 cents net. For length of stem other than standard length for 12-foot ceiling, add the following code word to the word given in the regular list:

CODE WORD	Lengths	CODE WORD	Lengths
Gadfly .....	9 -foot Ceiling	Gelatine .....	14 -foot Ceiling
Gaiter .....	9 $\frac{1}{2}$ -foot Ceiling	Gender .....	14 $\frac{1}{2}$ -foot Ceiling
Galaxy .....	10 -foot Ceiling	Genial .....	15 -foot Ceiling
Galley .....	10 $\frac{1}{2}$ -foot Ceiling	Gentian .....	15 $\frac{1}{2}$ -foot Ceiling
Gamble .....	11 -foot Ceiling	Gentry .....	16 -foot Ceiling
Garter .....	11 $\frac{1}{2}$ -foot Ceiling	Geometry .....	16 $\frac{1}{2}$ -foot Ceiling
Gawky .....	12 $\frac{1}{2}$ foot Ceiling	Germane .....	17 -foot Ceiling
Gazette .....	13 -foot Ceiling	Gerund .....	17 $\frac{1}{2}$ -foot Ceiling
Gauze .....	13 $\frac{1}{2}$ -foot Ceiling	Gesture .....	18 -foot Ceiling

IN ORDERING PLEASE USE CODE WORD.

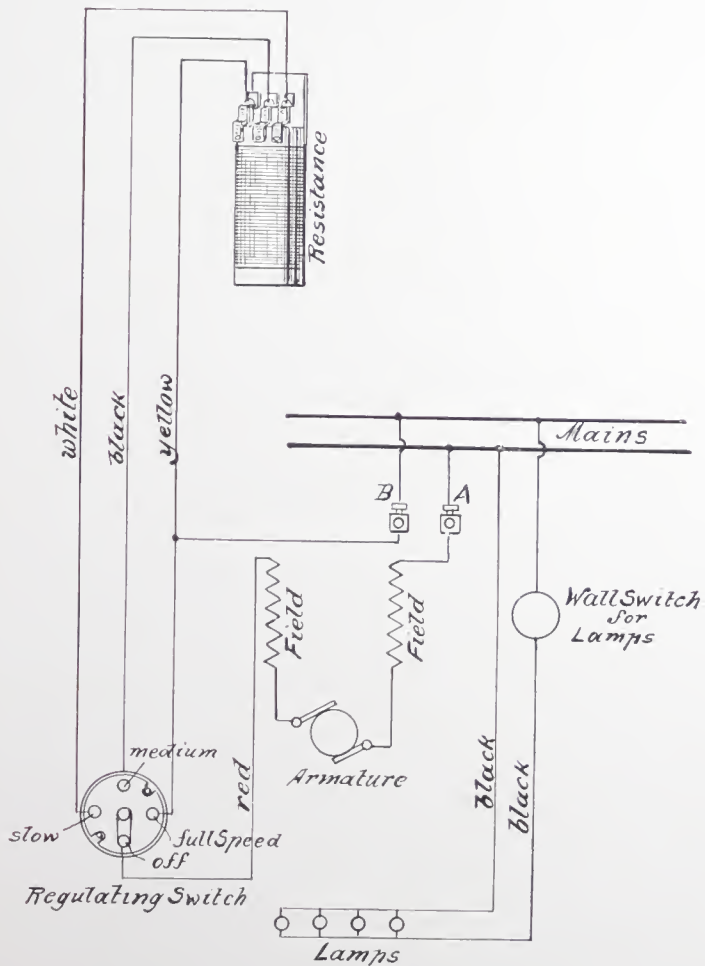
# Diehl Manufacturing Company

20-11

No. 46 FAN. WIRING DIAGRAM.

No. 45 Similar Without Lights.

No. 44 Similar Without Lights or Regulator.



# Diehl Manufacturing Company

## Special Notice.

WE guarantee our goods against all mechanical and electrical defects for the term of one year, but will not be responsible for carelessness, lack of attention, lightning, or other causes beyond our control. Should motor prove defective, we will cheerfully repair same at our works free of charge, but under no consideration will we allow or pay bills incurred by any one in repairing our motors for whatever cause without authority in writing from our Main Office. When reporting defects always give catalogue number, voltage, and serial number.

To obtain the best results the fans should be thoroughly cleaned and oiled each season by some competent person.

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